

Update Instructions

SP003/04/P

Title: Update to SW-Version VA20H

Reason for Update:

☒ Performance

Urgency:

☐ Immediate☒ Within 3 months

Update material required?

☒ Yes☐ No

Materials free of charge?

☒ Yes☐ No

Return of parts?

☐ Yes☒ No

Estimated completion time: 1 h

Number of CSE's:1

Customer application training? ☐ Yes☒ No**Systems/Products affected/System identifying IVK**

Name	Material No.	Serial No.
MammoReport plus	6624006	1001 - 1025
MammoReport plus	8620192	1001 - 1003

Remark:

Components affected/to be modified

Name	Material No.	Serial No.	Component status affected
n. a.	n. a.	n. a.	n. a.

Remark:

Chg. Ref. No.: 12 7207
Name: S. Welker
Dept.: CS PS 24

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Document Revision Level

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Systems/Products Affected

This instruction applies to existing installations of SW versions

- MBC-SCR-1-2-3 / VA20D
- MBC-SCR-1-2-5 / VA20F

to be updated to MBC-SCR-1-2-7 / VA20H using the Update Auto start CD.

Reason for the Update

This instruction covers the following items that are **mandatory** for a complete and correct installation.

- Step 1: Activation of ScreenSaver
- Step 2: Changing Desktop Background to black (Windows user "SCR")
- Step 3: Change automatic logon to Windows user administrator
- Step 4: Updating Files for SCR-1-2-7
- Step 5: Installation of Microsoft Security Patch
- Step 6: Turn off display of error message windows
- Step 7: Recover automatic logon of Windows user SCR
- Step 8: Final Test

Follow the complete instructions carefully.

Additionally you can find a description of improvements and respectively some changes in the software modules Reviewing and Administration that can be configured by a service user with access to the operating system:

- Deleting patients permanently from database
- Configuration of visibility of CAD Marker

Special Tools / Documents

n.a

Ordering Information

The following update kit has to be ordered from CSML (SAP Distribution Channel, factory 2050) or BU Logistics (factory BU) (only with an order via BU Logistics):

Update Kit 84 00 504 (english)
Update Kit 84 00 553 (german)
Update Kit 84 00 561 (swedish)
Update Kit 84 00 579 (french)

List the system Serial Number on the order!

Contents of the Update Kit

Update kit contains the following parts:

Pos.	Quan.	Material No.	Name
1	1	84 00 512	Update Auto Start CD (VA20H)
2	2	30 78 631	blank CD-R
3	1	SPB7-420.896.03.	SP003/04/P
4	1	SPB7-420.621.03.	Addendum in respective language to Operator Manual MammoReport ^{Plus} .

Tab. 1

Based on the above description, the CSE should be able to check the update kit for completeness prior to beginning the update.

Return of Parts

The following parts must be returned:

n. a.

Work Steps

The following instruction describes the procedure to update from SW version **VA20D** (MBC-SCR-1-2-3) to SW version **VA20H** (MBC-SCR-1-2-7).

Step 1: Activation of ScreenSaver

1. Login to MammoReport as user "service" and select **Exit to Windows** to get access to the operating system.
2. Make sure you are still logged in as Windows user "SCR".
Right mouse click onto the Desktop. Select **Properties** in the menu. Select Tab **Screen Saver**. Select **Default Screen Saver** and set time to **10** minutes or a time that is appropriate for the customer.
3. Click **OK**.

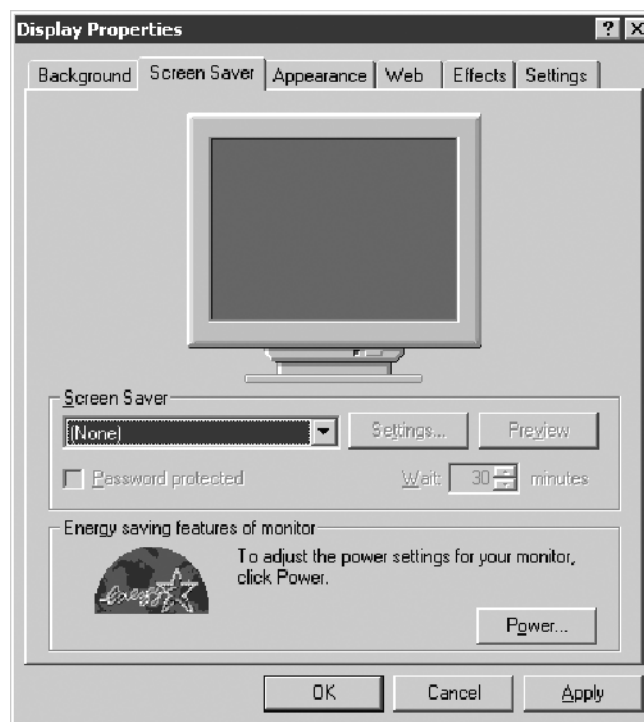


Fig. 1 Screen Saver Activation (Windows user SCR)

Step 2: Changing Desktop Background to black (Windows user "SCR")

1. Right mouse click onto the Desktop. Select **Properties** in the menu. Select Tab **Appearance**.
2. Make sure that item **Desktop** is selected.
3. Click on **Color**. Select black as shown in Fig. 2
4. Click **OK**

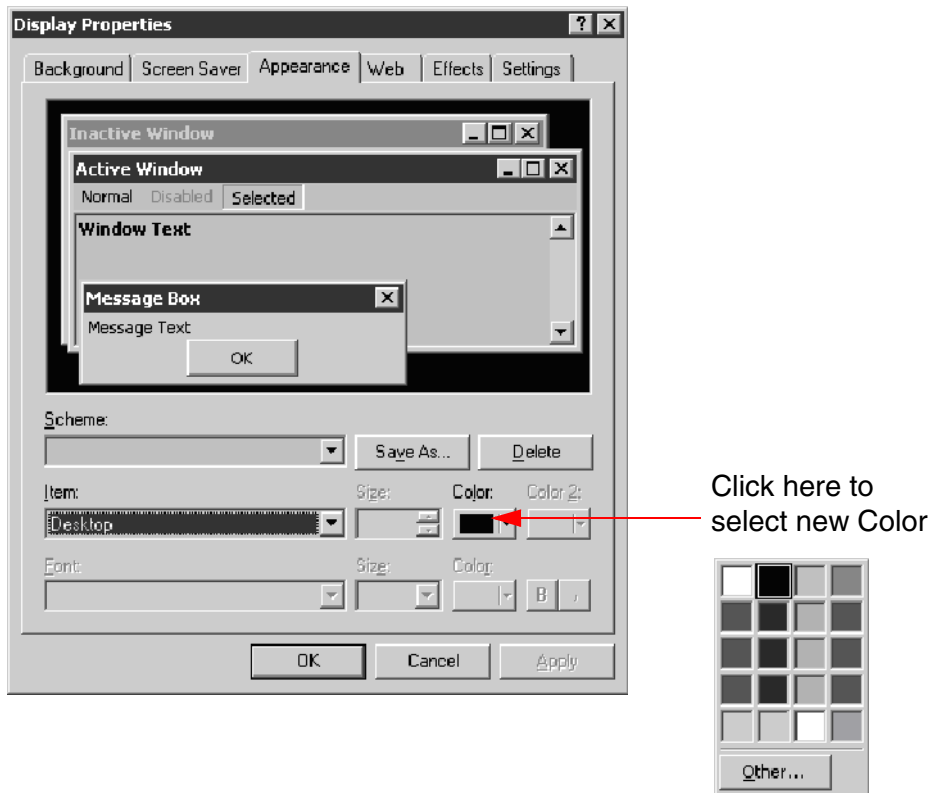


Fig. 2 Desktop Background (Windows user SCR)

Step 3: Change automatic logon to Windows user administrator

1. Logoff from Windows and logon as user "administrator".
2. Select Start - Settings - Control Panel - **Users and Passwords**.
3. **Check** checkbox "Users must enter a user name and password to use this computer".
4. Make sure the user "Administrator" is selected in the window "Users and Passwords" .
5. **Uncheck** checkbox "Users must enter a user name and password to use this computer".

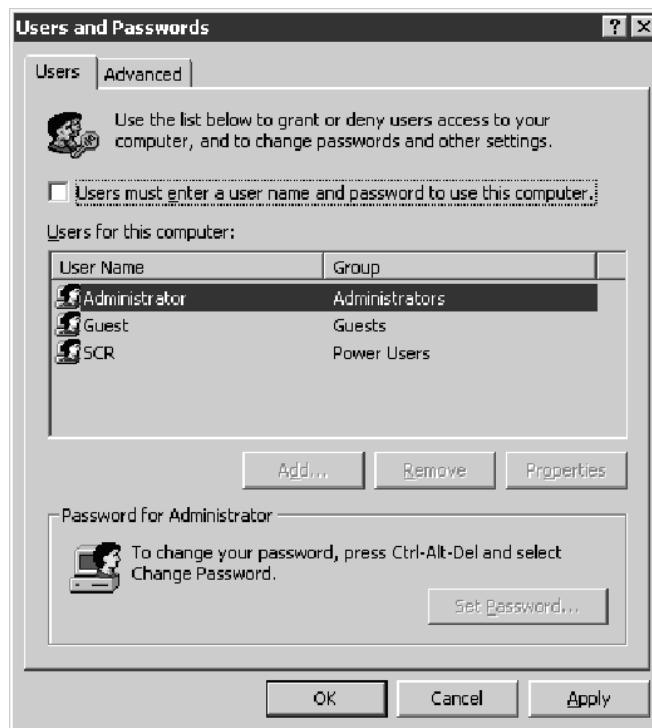


Fig. 3 Users and Passwords (Windows user administrator)

6. Click **OK**. A dialog to enter the Password is displayed. Enter twice the required administrator password. Click **OK**.



7. The Window "Users and Passwords" disappear. Close the control panel and all other windows opened.

Step 4: Updating Files for SCR-1-2-7

NOTE

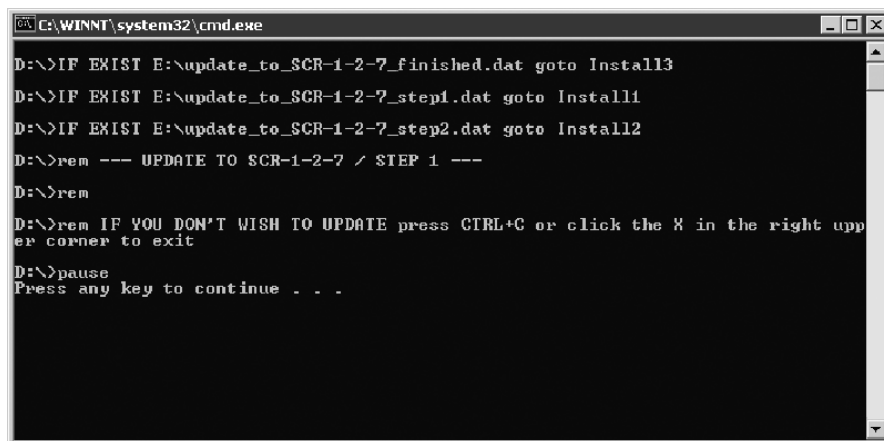
Make sure that you have performed step 3 in advance. Otherwise the upgrade procedure will not work correctly.

1. Insert the Autostart CD into the CD-WRITER DRIVE D:\

NOTE

For Celsius Hardware only: Do not insert CD into the DVD drive!

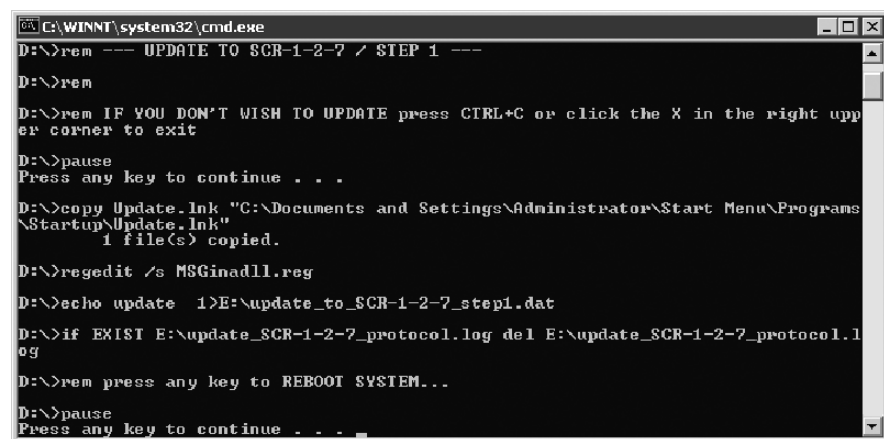
2. A DOS window is shown "UPDATE TO SCR-1-2-7 / STEP 1". Press any key to start.



```

C:\WINNT\system32\cmd.exe
D:\>IF EXIST E:\update_to_SCR-1-2-7_finished.dat goto Install3
D:\>IF EXIST E:\update_to_SCR-1-2-7_step1.dat goto Install1
D:\>IF EXIST E:\update_to_SCR-1-2-7_step2.dat goto Install2
D:\>rem --- UPDATE TO SCR-1-2-7 / STEP 1 ---
D:\>rem
D:\>rem IF YOU DON'T WISH TO UPDATE press CTRL+C or click the X in the right upper corner to exit
D:\>pause
Press any key to continue . . .
  
```

3. The process ends informing you that the computer will reboot. Press any key and wait that the system is restarted. In this step the registry "GinaDLL" is changed. A reboot is needed to update this registry setting.

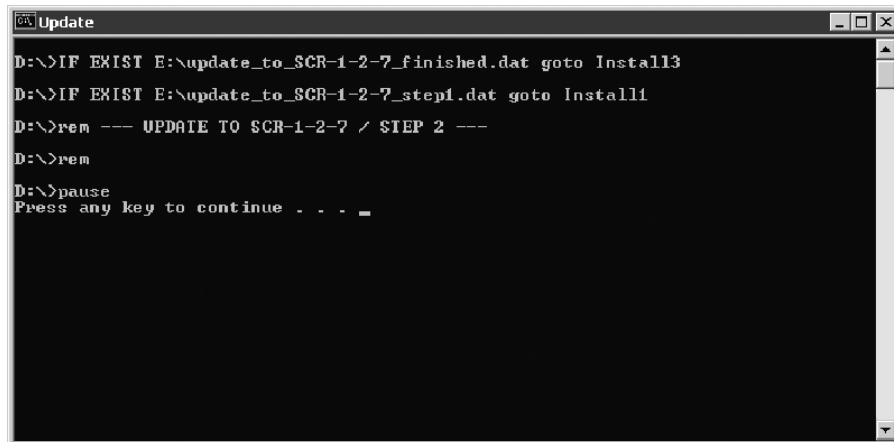


```

C:\WINNT\system32\cmd.exe
D:\>rem --- UPDATE TO SCR-1-2-7 / STEP 1 ---
D:\>rem
D:\>rem IF YOU DON'T WISH TO UPDATE press CTRL+C or click the X in the right upper corner to exit
D:\>pause
Press any key to continue . . .
D:\>copy Update.Ink "C:\Documents and Settings\Administrator\Start Menu\Programs\Startup\Update.Ink"
1 file(s) copied.
D:\>regedit /s MSGinadll.reg
D:\>echo update 1>E:\update_to_SCR-1-2-7_step1.dat
D:\>if EXIST E:\update_SCR-1-2-7_protocol.log del E:\update_SCR-1-2-7_protocol.log
D:\>rem press any key to REBOOT SYSTEM...
D:\>pause
Press any key to continue . . .
  
```

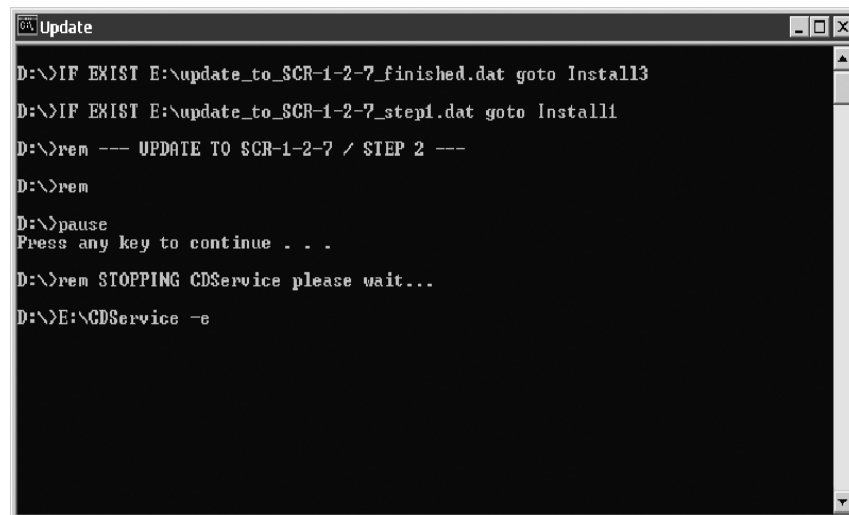
4. After restart the system logs on automatically as user "administrator".

5. A DOS window appears again, to continue with "UPDATE TO SCR-1-2-7/ STEP 2".



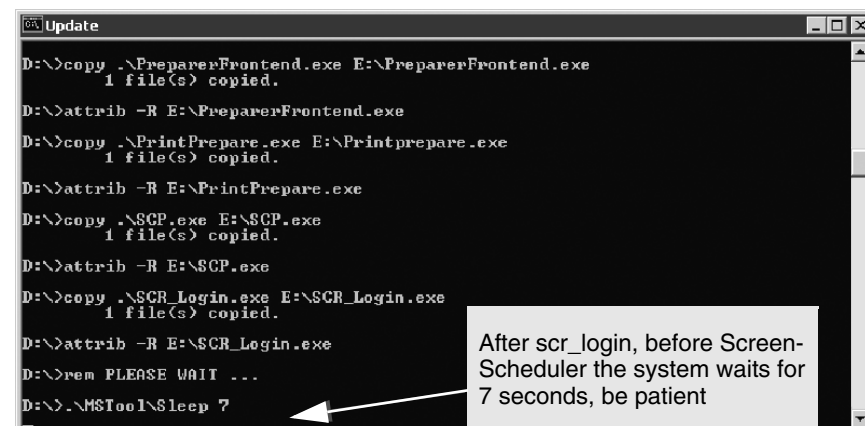
```
D:\>IF EXIST E:\update_to_SCR-1-2-7_finished.dat goto Install13
D:\>IF EXIST E:\update_to_SCR-1-2-7_step1.dat goto Install11
D:\>rem --- UPDATE TO SCR-1-2-7 / STEP 2 ---
D:\>rem
D:\>pause
Press any key to continue . . . _
```

Press any key to continue. In this step CD Service is stopped to be able to overwrite it. It can take some time, be patient.



```
D:\>IF EXIST E:\update_to_SCR-1-2-7_finished.dat goto Install13
D:\>IF EXIST E:\update_to_SCR-1-2-7_step1.dat goto Install11
D:\>rem --- UPDATE TO SCR-1-2-7 / STEP 2 ---
D:\>rem
D:\>pause
Press any key to continue . . .
D:\>rem STOPPING CDService please wait...
D:\>E:\CDService -e
```

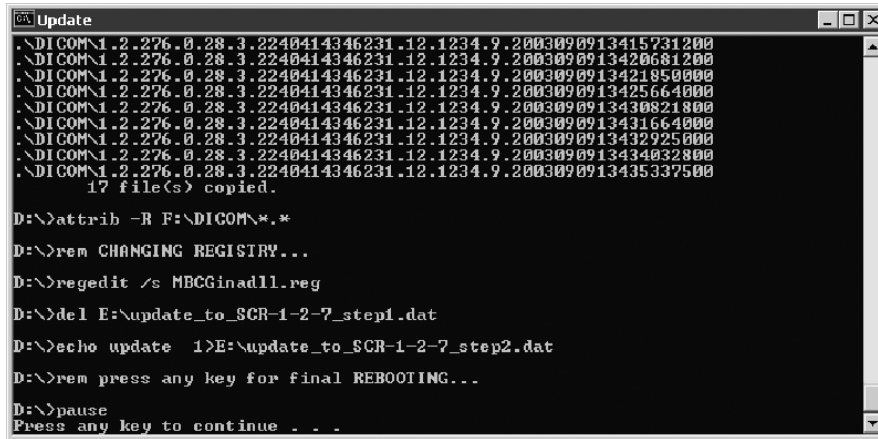
6. Then all files needed for SCR-1-2-7 are copied.



```
D:\>copy .\PreparerFrontend.exe E:\PreparerFrontend.exe
1 file(s) copied.
D:\>attrib -R E:\PreparerFrontend.exe
D:\>copy .\PrintPrepare.exe E:\Printprepare.exe
1 file(s) copied.
D:\>attrib -R E:\PrintPrepare.exe
D:\>copy .\SCP.exe E:\SCP.exe
1 file(s) copied.
D:\>attrib -R E:\SCP.exe
D:\>copy .\SCR_Login.exe E:\SCR_Login.exe
1 file(s) copied.
D:\>attrib -R E:\SCR_Login.exe
D:\>rem PLEASE WAIT ...
D:\>.\MSTool\Sleep 7
```

After scr_login, before Screen-Scheduler the system waits for 7 seconds, be patient

7. Finally the GinaDLL registry entry is restored.

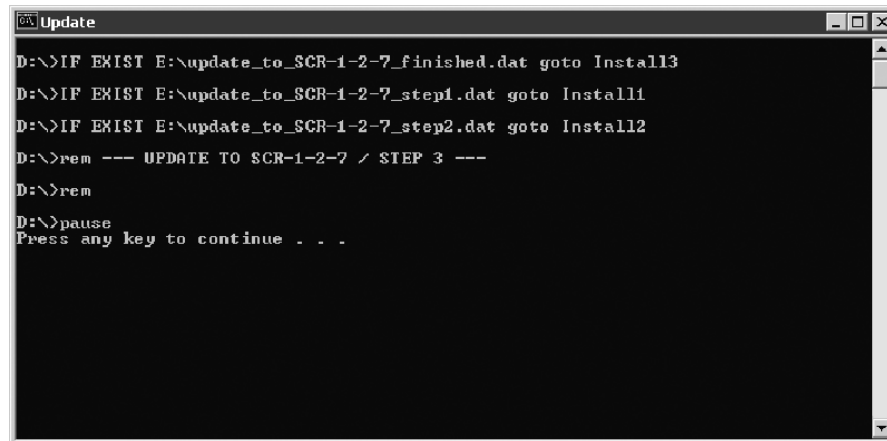


```

Update
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913415731200
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913420681200
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913421850000
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913425664000
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913430821800
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913431664000
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913432925000
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913434032800
.\DICOM\1.2.276.0.28.3.2240414346231.12.1234.9.2003090913435337500
17 file(s) copied.

D:\>attrib -R F:\DICOM\*.
D:\>rem CHANGING REGISTRY...
D:\>regedit /s MBCGinadll.reg
D:\>del E:\update_to_SCR-1-2-7_step1.dat
D:\>echo update 1>E:\update_to_SCR-1-2-7_step2.dat
D:\>rem press any key for final REBOOTING...
D:\>pause
Press any key to continue . . .
  
```

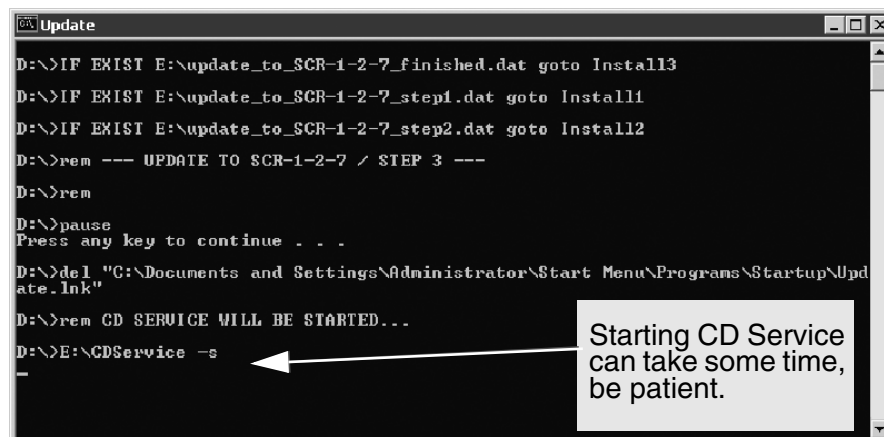
8. **Press any key** for final rebooting and wait until the system is restarted.
9. A DOS window appears "UPDATE TO SCR-1-2-7 / STEP 3".



```

Update
D:\>IF EXIST E:\update_to_SCR-1-2-7_finished.dat goto Install3
D:\>IF EXIST E:\update_to_SCR-1-2-7_step1.dat goto Install1
D:\>IF EXIST E:\update_to_SCR-1-2-7_step2.dat goto Install2
D:\>rem --- UPDATE TO SCR-1-2-7 / STEP 3 ---
D:\>rem
D:\>pause
Press any key to continue . . .
  
```

10. **Press any key** to continue. In this step the CD Service is started and a protocol of the update process is written.



```

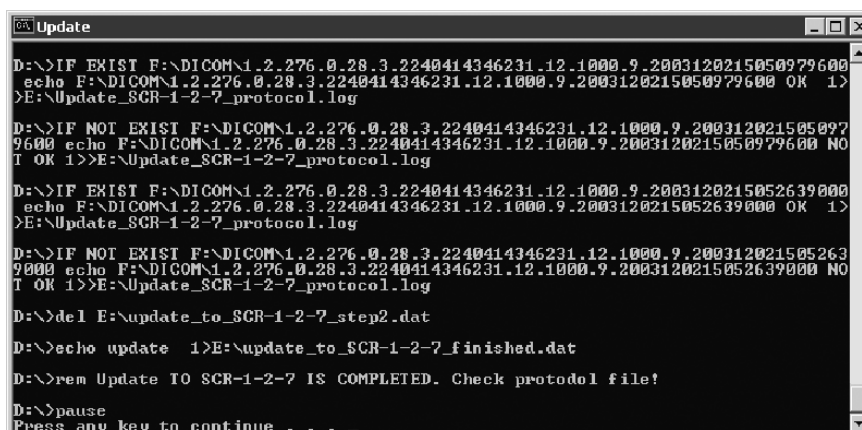
Update
D:\>IF EXIST E:\update_to_SCR-1-2-7_finished.dat goto Install3
D:\>IF EXIST E:\update_to_SCR-1-2-7_step1.dat goto Install1
D:\>IF EXIST E:\update_to_SCR-1-2-7_step2.dat goto Install2
D:\>rem --- UPDATE TO SCR-1-2-7 / STEP 3 ---
D:\>rem
D:\>pause
Press any key to continue . . .

D:\>del "C:\Documents and Settings\Administrator\Start Menu\Programs\Startup\Update.lnk"
D:\>rem CD SERVICE WILL BE STARTED...
D:\>E:\CDService -s
  
```

Starting CD Service can take some time, be patient.

11. After that checking of copied files is started.

12. The process ends with "UPDATE TO SCR-1-2-7 IS COMPLETED. Check protocol file.



```

D:\>IF EXIST F:\DICOM\1.2.276.0.28.3.2240414346231.12.1000.9.2003120215050979600
echo F:\DICOM\1.2.276.0.28.3.2240414346231.12.1000.9.2003120215050979600 OK 1>
>E:\Update_SCR-1-2-7_protocol.log

D:\>IF NOT EXIST F:\DICOM\1.2.276.0.28.3.2240414346231.12.1000.9.200312021505097
9600 echo F:\DICOM\1.2.276.0.28.3.2240414346231.12.1000.9.2003120215052639000 NO
T OK 1>>E:\Update_SCR-1-2-7_protocol.log

D:\>IF EXIST F:\DICOM\1.2.276.0.28.3.2240414346231.12.1000.9.2003120215052639000
echo F:\DICOM\1.2.276.0.28.3.2240414346231.12.1000.9.2003120215052639000 OK 1>
>E:\Update_SCR-1-2-7_protocol.log

D:\>IF NOT EXIST F:\DICOM\1.2.276.0.28.3.2240414346231.12.1000.9.200312021505263
9000 echo F:\DICOM\1.2.276.0.28.3.2240414346231.12.1000.9.2003120215052639000 NO
T OK 1>>E:\Update_SCR-1-2-7_protocol.log

D:\>del E:\update_to_SCR-1-2-7_step2.dat

D:\>echo update 1>E:\update_to_SCR-1-2-7_finished.dat

D:\>rem Update TO SCR-1-2-7 IS COMPLETED. Check protocol file!

D:\>pause
Press any key to continue . . .
  
```

13. **Press any key** to close the DOS window.
14. Open the explorer, select the File "E:\Update_SCR-1-2-7_protocol.log" and open it.

NOTE

If the file is larger than 108 KB it is probable, that the copy process failed with at least one file.

15. Below all entries starting with "Comparing files.." the message "**FC: no differences encountered**" shall appear.

NOTE

If that is not the case, the copy-process of the mentioned file did not succeed.

16. All entries starting with "<drive letter>\DICOM\1.2.276....." shall end with an "OK".

NOTE

If a "NOT OK" appears the copy-process failed for this file.

Failure of Copy Processes

If in steps 15 or 16 any copy process failed, you can either

- Copy these files manually from the CD to the destination on Harddisk (destination is mentioned in the "E:\Update_SCR-1-2-7_protocol.log). In addition you have to remove the read-only attribute of manually copied files by right mousclick on the file, select properties and uncheck the "read-only" checkbox.

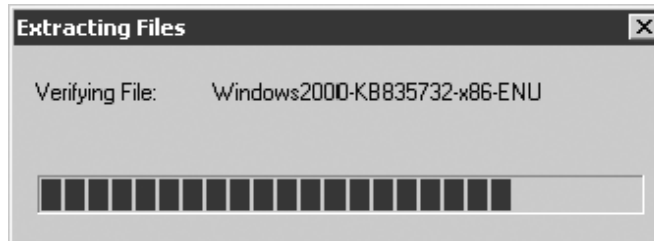
OR

- Run again the Autostart CD by opening and closing the CD-writer tray and redo all steps in section "Updating Files for SCR-1-2-7". If the problem remains, you have to copy these files manually and remove the read-only flag.

Step 5: Installation of Microsoft Security Patch

The installation has to be performed manually from the CD.

1. Close all open program windows to start the installation. First the files are extracted.
2. Open file **Windows2000-KB835732-x86-ENU** from D:\, to extract all installation files.

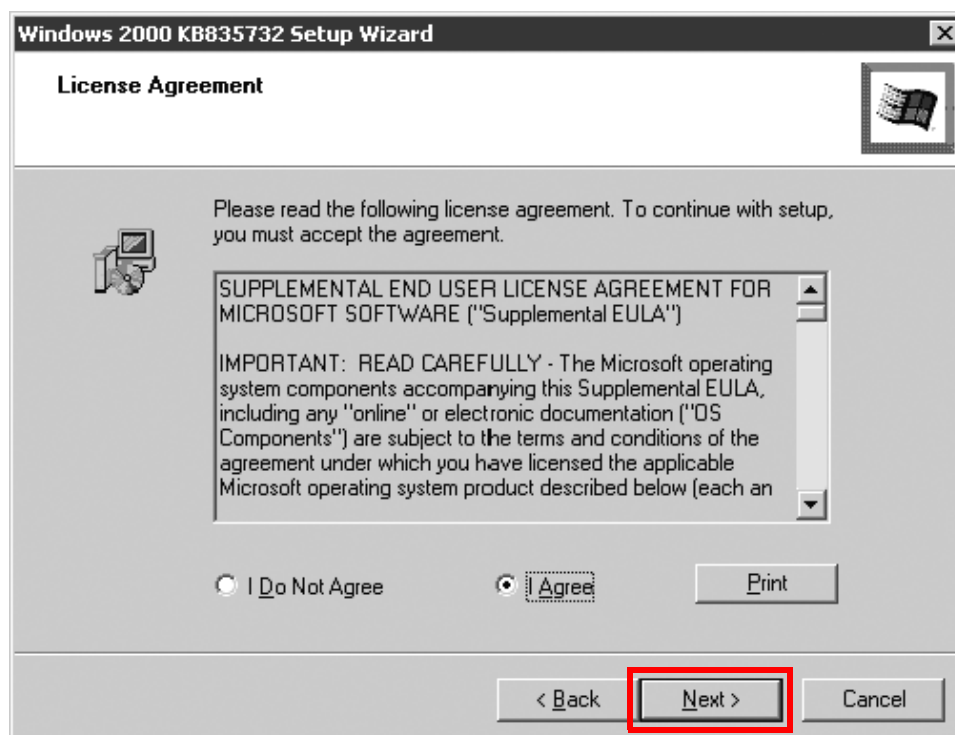
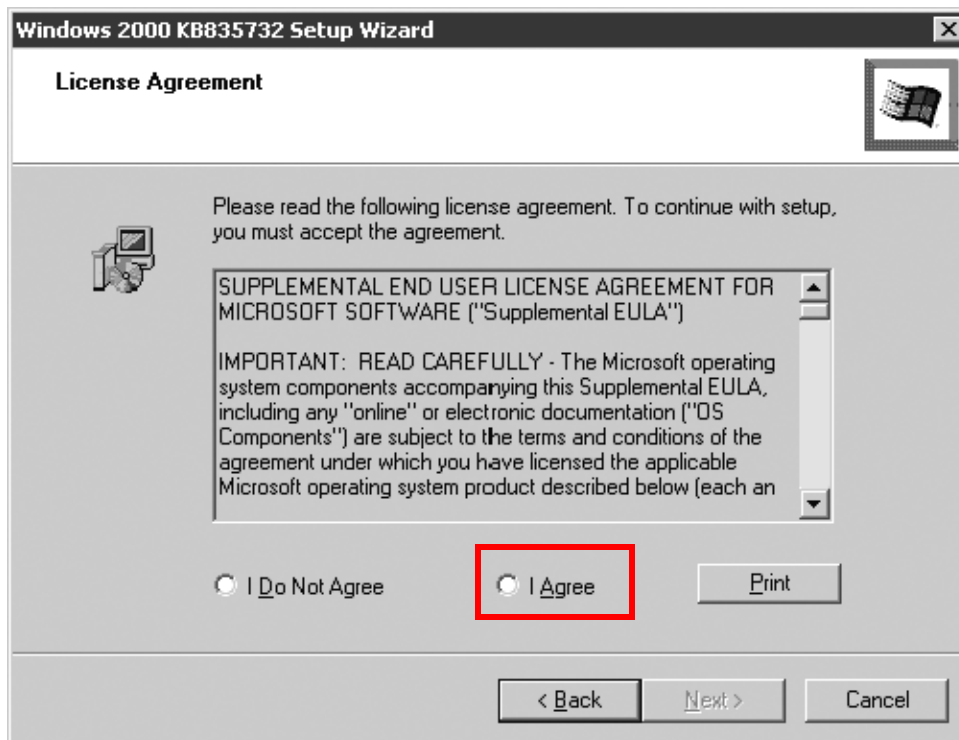


The Setup Wizard opens.



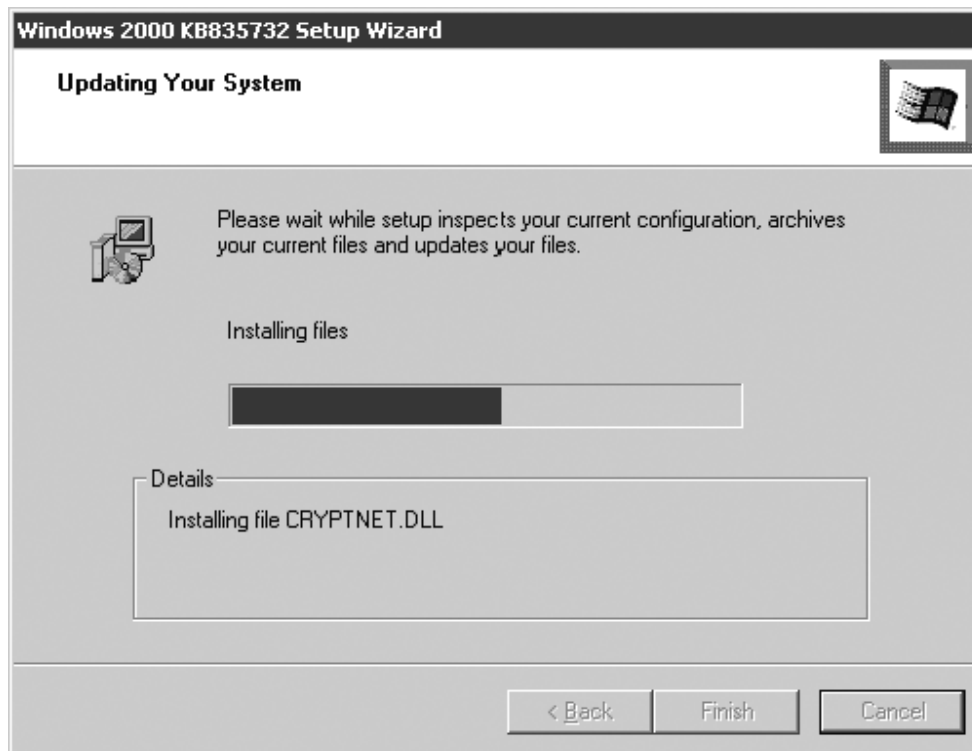
3. Click **Next** to continue

4. The License Agreement window opens. Fill out as mentioned in the figures below.

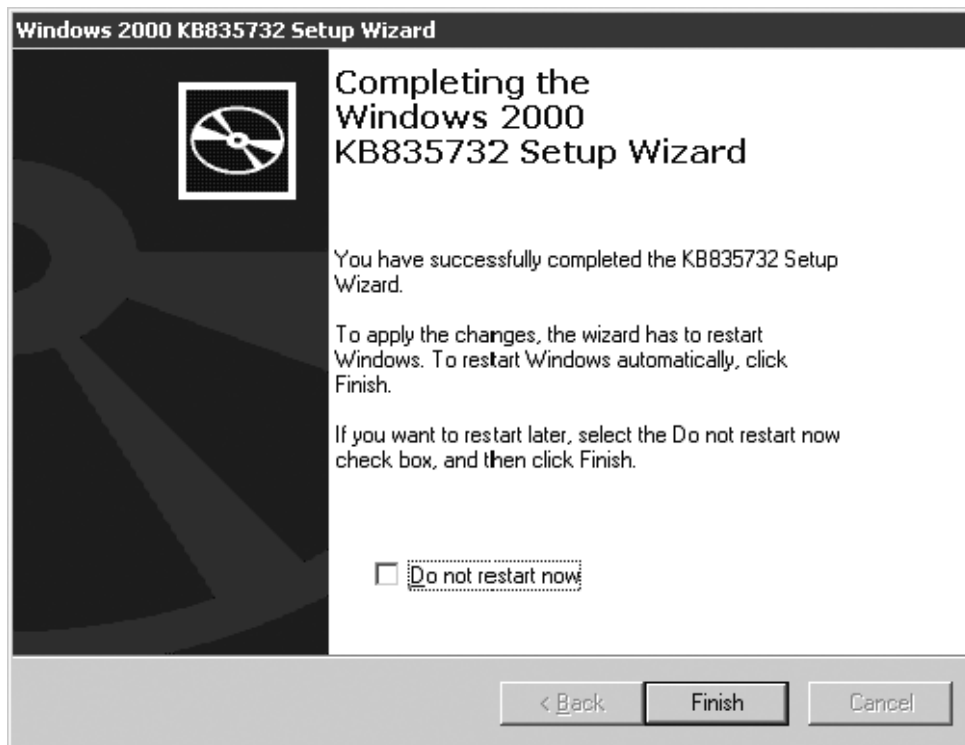


5. Click **Next** to Continue.

6. Now the setup is running.



7. After completing the setup, Windows is automatically restarted.



8. Click **Finish** to perform restart.
9. During shutting down take off the Update CD from CD tray.

Step 6: Turn off display of error message windows

1. When all necessary files are copied, select “Start - Run...”.
2. Enter “drwtsn32” and click **OK** (refer to Fig. 4).
3. **Deselect** the option “Visual notification”.
4. Select **OK**.

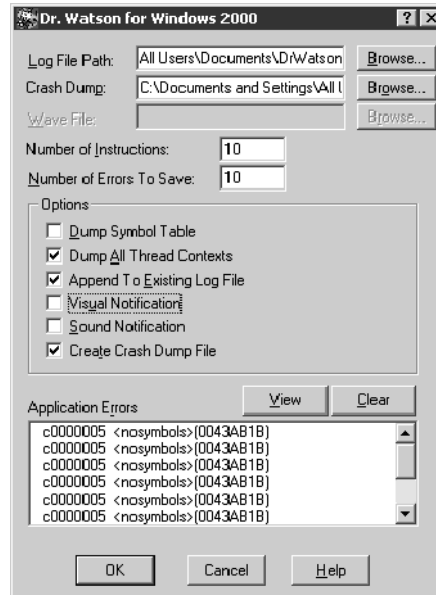


Fig. 4 Dr. Watson Settings (Windows user administrator)

Step 7: Recover automatic logon of Windows user SCR

1. Select Start - Settings - Control Panel - **Users and Passwords**.
2. In the Window "Users and Passwords" user "Administrator" is preselected. **Check** the checkbox "Users must enter a user name and password to use this computer".
3. Select in the Window "Users and Passwords" the user "SCR" and **uncheck** the checkbox "Users must enter a user name and password to use this computer".

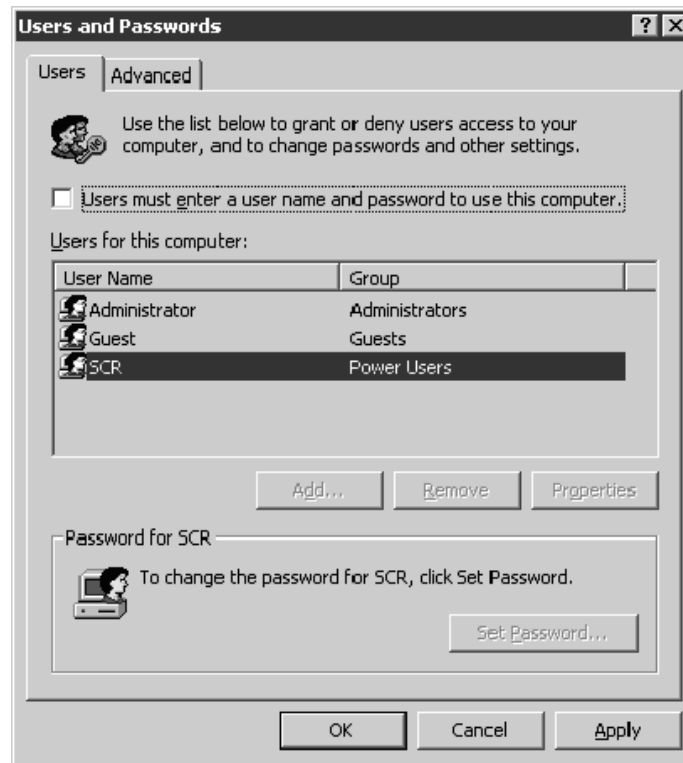


Fig. 5 Users and Password (default user SCR)

4. Click **OK**. A dialog to enter the Password is displayed. Enter twice the required SCR password. Click **OK**.



Fig. 6 Users and Password (automatic logon of SCR)

5. The Window "Users and Passwords" disappear. Close the control panel and all other windows opened.

Step 8: Final Test

1. Close all open windows and reboot the system (Start - Shutdown... / Restart).
2. MammoReport^{Plus} shall start automatically.
If not logon as windows user administrator and redo section "Recover automatic logon of Windows user SCR".
3. Logon as user "service", open Administration module and check in the Info tab the version number "MBC-SCR-1-2-7, SW version VA20H.
4. Select and display each service patient via **View Now**. Wait until all images appear and check the display with the images shown below.

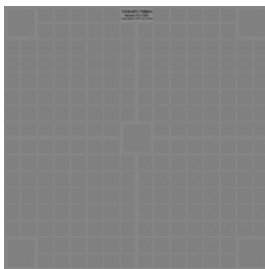
Patient AAPM_TG18, noise

Fig. 7 Images of Patient AAPM_TG18, noise

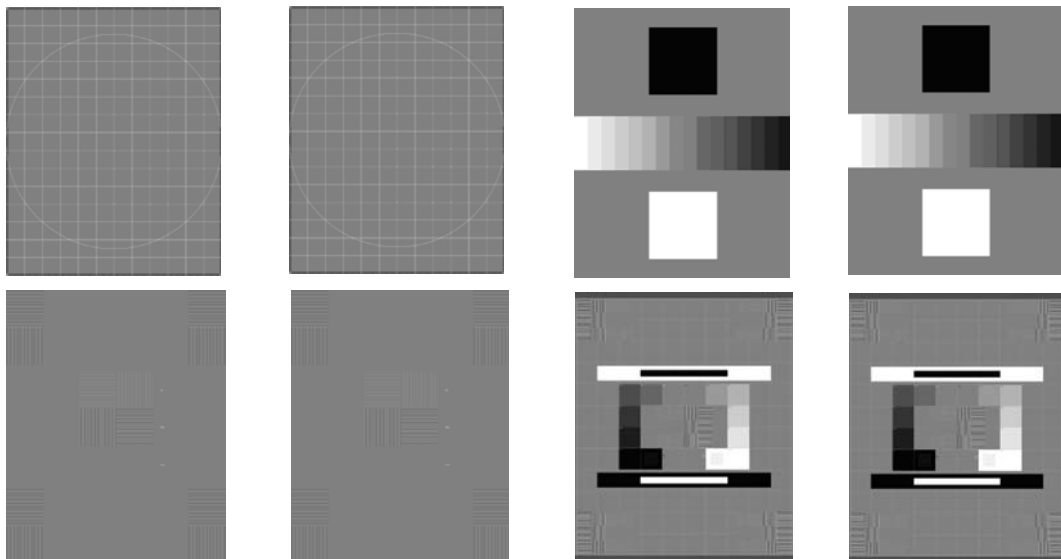
Patient Smppte, Smppte

Fig. 8 Images of Patient Smppte, Smppte

Patient AAPM_TG18, resol

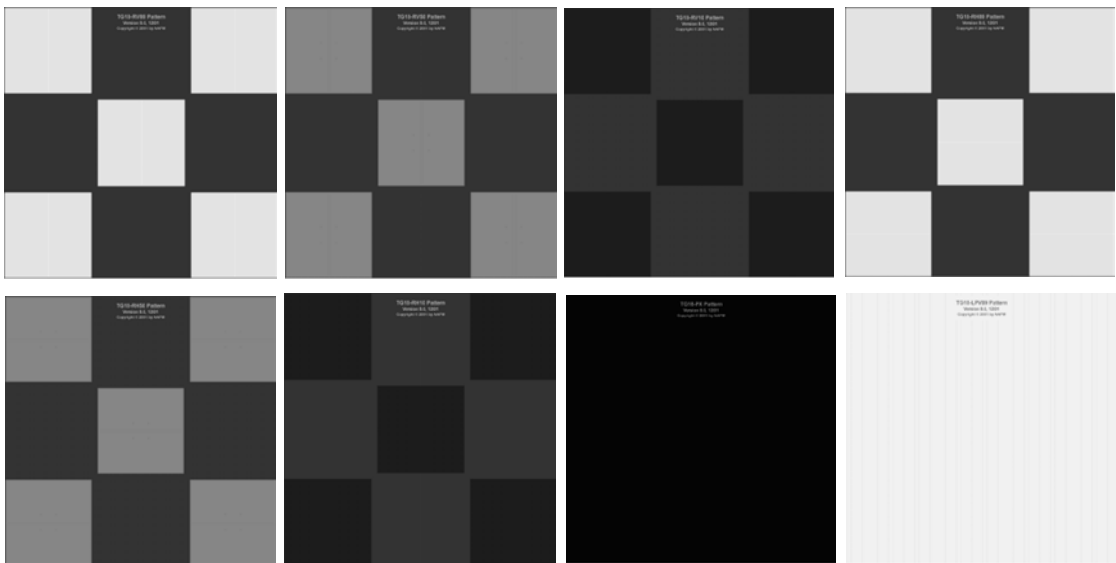


Fig. 9 First page with 8 images of Patient AAPM_TG18, resol

5. SELECT scroll one page forward

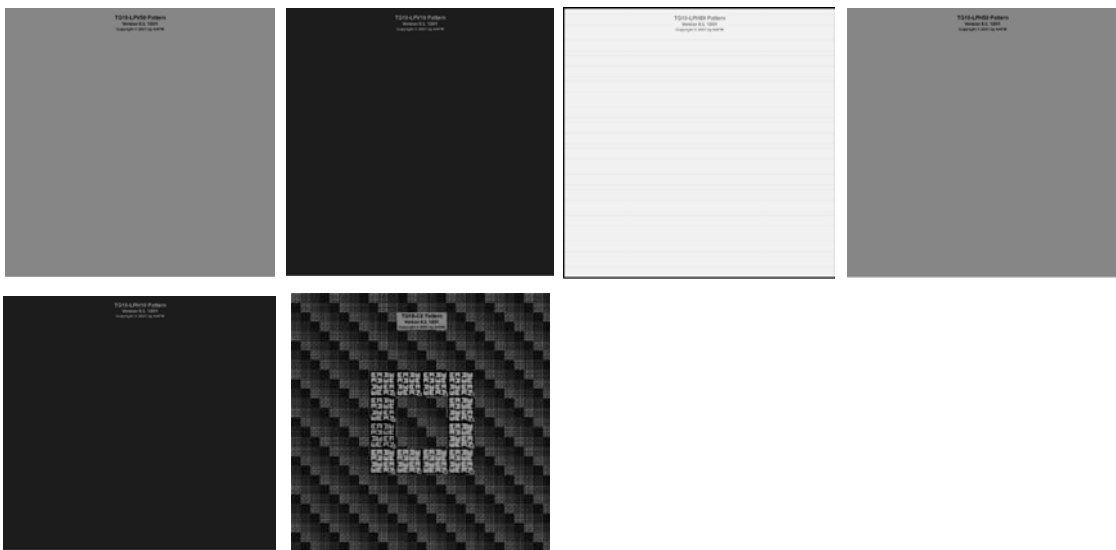


Fig. 10 Second page with 6 images of Patient AAPM_TG18, resol

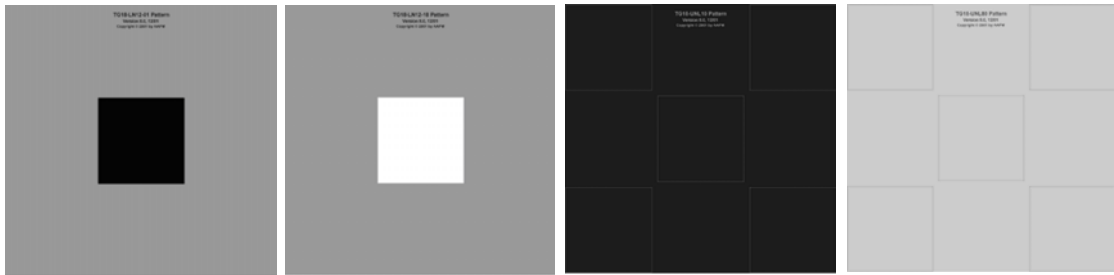
Patient AAPM_TG18, lumin

Fig. 11 Images of Patient AAPM_TG18, lumin

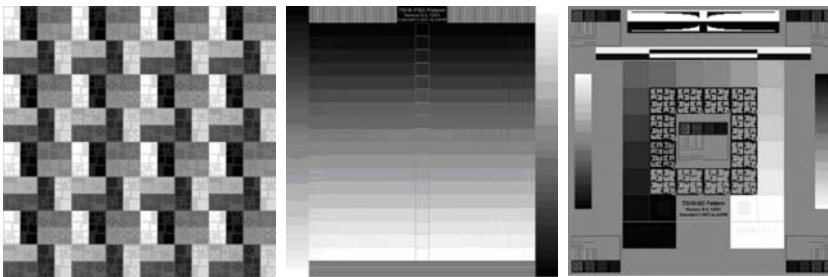
Patient AAPM_TG18, multi

Fig. 12 Images of Patient AAPM_TG18, multi

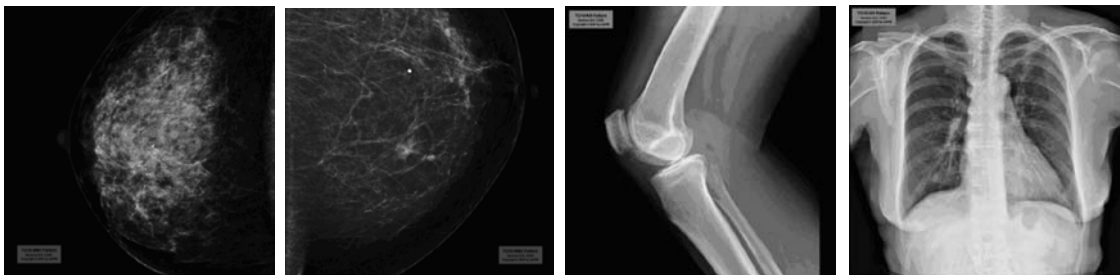
Patient AAPM_TG18, anatom

Fig. 13 Images of Patient AAPM_TG18, anatom

Patient01, Null Eins

8 mammograms

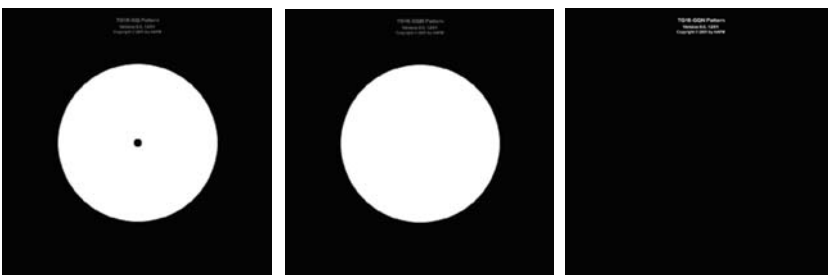
Patient AAPM_TG18, glare

Fig. 14 Images of Patient AAPM_TG18, glare

Improvements

Deleting Patients permanently from Database

The current version allows a user with service rights to delete patients permanently from the database.

This improvement refers to the scenario described in the following.

NOTE

When deleting patients from database all patient information and annotations are deleted permanently from the database. As well images, CAD SRs and reports are deleted from the Mammo-ReportPlus system.

Scenario 1

It may be that two patients have been examined accidentally with the same patient data and same accession number, and have then been sent to MammoReport^{Plus}.

- In the patient list all images are assigned to one patient name only, and the references are stored in the database.
- However, it is possible to delete such a patient with all images from the patient list, the patient names disappear from the patient list, but all references remain in the database.
- Although it is possible to divide the two patients in the archive into two separate examinations with correct patient data and accession number and sending them again as two different patients, they would be still displayed as one patient at the MammoReportPlus site.
- Now the references in the re-sent images do not correspond to the existing database entries.

Scenario 2

It is possible to delete patients completely from the system.

Deleting Patients

A new button on the user interface enables now a user with service rights to delete **patients and all references** stored in the database.

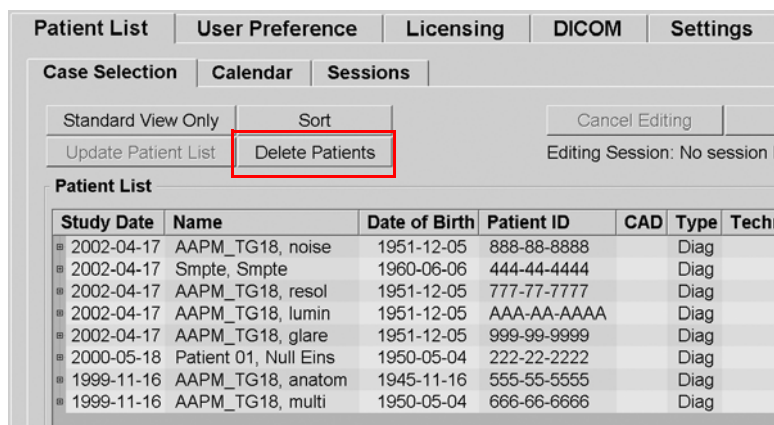


Fig. 15 Service user interface

1. Click **Delete Patients** to open the *Delete Patients* window.
2. This window appears in front of the Patient List window, and all patients stored in the database are listed.

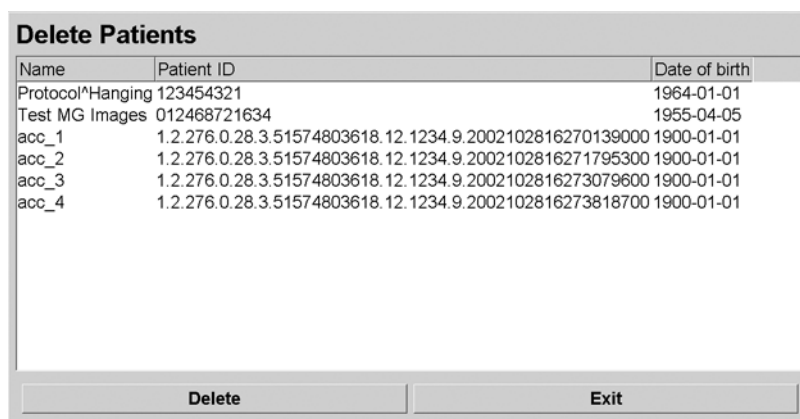


Fig. 16 Delete Patients Window

3. By default no patient is selected. If you click **Delete**, the following message appears:

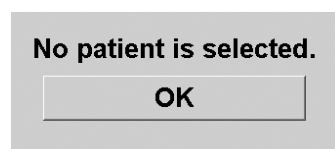


Fig. 17 Info Message

4. Click onto a patient name for selection.
5. Press and hold the CTRL key and click onto another patient(s) to select more than one patient.

6. Click **Delete**.

NOTE

The deletion of a patient is only possible after confirmation.

7. Therefore a warning message appears and informs about the impact of deletion.

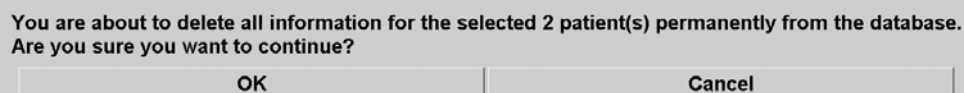


Fig. 18 Warning Message

- Click **OK** to confirm the deletion of a patient.
- Click **Cancel** to return to the patient list without performing any deletion.

8. If OK is clicked, the selected patient(s) will be deleted from the database.

NOTE

To delete a large number of patients at once, the system requires some time e.g. for more than 1,500 patients about 20 minutes. In such a case there is no progress bar informing the user while the system is working in the background.

9. As long as this window is open and if it is necessary to proceed with deleting patients, select more patients and repeat the steps.
10. Click on **Exit** to finalize the deletion. The MammoReport^{Plus} application will automatically be exited and restarted.
11. When logging into the system again, the deleted patients are not available in the patient list.
12. If scenario 1 is present, the corrected patients studies/images can be resent to MammoReportPlus.

NOTE

Service images cannot be deleted by this function. They can not appear in the Delete Patients window, and therefore no deletion is possible.

NOTE

All scheduled sessions that contain a patient to be deleted, will also be deleted after the patient is deleted from database. When the system restarts all corresponding information is deleted.

Displaying CAD Markers

A user with **service** rights can configure the CAD markers to determine whether they are displayed on magnification views or not.

1. Login as user **service** with dedicated password.
2. In the Application Selector click on **Exit to Windows**.
3. If any processes are still running, exiting might take some time.
4. Open file **lightbox.ini** on the **Application** drive.
5. Enter parameters as described below.
6. Close all open windows.
7. Restart the MammoReport Workstation.

Settings in Lightbox.ini

Default: Displaying CAD Markers on Magnification Views

1. If the key "CADONMAGNIFICATION" is contained, change parameter to **CADONMAGNIFICATION: 1**
- or
2. Delete an existing CADONMAGNIFICATION entry.

Result: CAD display of all available CAD marker on all images

Hiding CAD Markers on Magnification Views

1. Set parameter **CADONMAGNIFICATION: 0**

Result: CAD display of all available CAD marker on all images, except on MAG images (paddle IDs different from 001, 009, 016, 019, and 020).

Final Check

Already done in Step 8.

Customer Information

n.a.

Final Work Steps

- Make recovery CD(s) to backup the system (partitions C and E)
- Update the system documentation.
Update the revision level, the operating instructions and the technical documentation. Fill out, and if needed, make a copy of the attached "Completion Protocol/ Update Completion Form" and file it in the corresponding System Binder/User Handbook.
- This update includes an IVK.
 - Changes in the IVK structure must be reported to the management system to correct the installed volume.
- Updates that have already been completed prior to publication of this UI must also be reported.
- The update is reported as follows:
 - The modification reply report has to be prepared by authorized personnel using an application on the Intranet.
- File the Update instruction in the corresponding System Binder/Technical Manual.

Changes to Previous Version

Initial version.

Completion Protocol

The update with the number **SP003/04/P** has been completed.

Material number:

Serial number:

Customer: Functional Location:

Customer No.:

Name (CSE): Telephone:

Country: Location:

Date: Signature:

Remark:

.....

NOTE

After completing the update, make a copy of this page, fill it out and file it in the corresponding System Binder/User Handbook.